

### Abstract of the Disclosure

There is provided an endoscope system, which is provided with an endoscope that has an image pick-up device having a plurality of cells for accumulating charge in response to an image formed on the plurality of cells, a light source that is capable of emitting excitation light, and a controlling system that controls the image pick-up device so that charges accumulated in two or more of the plurality of cells are added together when the excitation light is used.